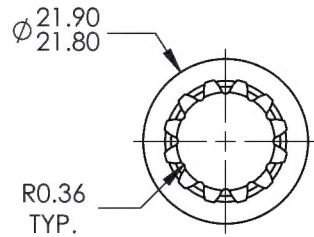
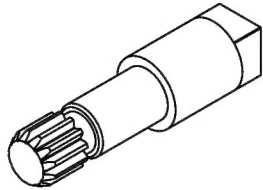
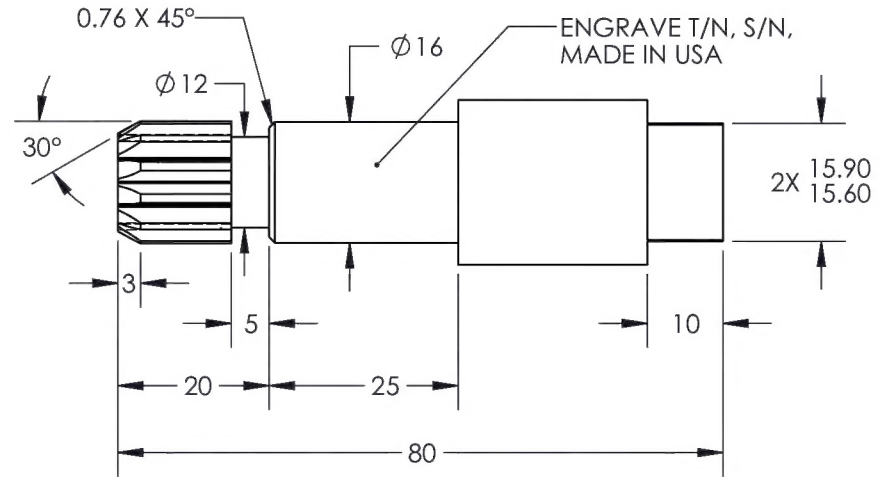


This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.



REVISION					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1	15-0206	ADDED .76 X 45° CHAMFER, ADDED NOTE 2, CH'D PIN DIAMETER WAS 2X Ø2.667 IS Ø2.7432.	11/20/2015	RJC	JAG
2	16-0047	REMOVED PINS AND DIM, ADDED ADDITIONAL VIEWS AND SQUARE END. CH'D SECTION LENGTH WAS 26 IS 25, CH'D MATERIAL WAS 1018/1020 IS 1018/1020 CR, CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE, CH'D NOTE 1 & 2, ADDED NOTE 3, ADDED ENGRAVE NOTE.	1/18/2016	SM	JAG



- NOTE:
1. ALL DIMENSIONS IN MILLIMETERS UNLESS SPECIFIED.
 2. REF AGUSTA T/N: 3G6305G31351
 3. PART OF KIT RBW6305G31231-3G

EXTERNAL SPLINE DATA INVOLUTE PROFILE SIDE FIT FILLET ROOT	
PRESSURE ANGLE	30°
MODULE	1.27
NUMBER OF TEETH	12
PITCH DIAMETER	15.240
BASE DIAMETER	13.19823
CIRCULAR SPACE THICKNESS (EFFECTIVE)	/
CIRCULAR SPACE THICKNESS (ACTUAL)	1.880/1.900
PINS DIAMETER	2.7432
DIMENSION BETWEEN PINS	19.634/19.594
MAJOR DIAMETER	16.500/16.400
MINOR DIAMETER	12.590/12.460
MAX T.I.F. DIAMETER	13.868
MAX CUMULATIVE PITCH ERROR BETWEEN TWO TEETH	.036
MAX PROFILE ERROR (TOTAL)	.008/-0.013
MAX PARALLEL (SM ERROR TOTAL)	.008
MATING SPLINE	4G6320A11131

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.	SCALE	DATE	SHEET
				1	EXTERNAL SPLINE	1018/1020 CR		1	1:1	11/17/2014	1 OF 1

DART AEROSPACE	
TITLE SPLINED REACTION	
DWG NO. RBW6305G31351-3G	REV 2
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH ZINC PLATE	.XXX ± .005 FRACTIONS ± 1/8
SPEC ASTM B633 TYPE I SC 2	.XX ± .01 ANGLES ± 5°
DRAWN BY: CLOUGH	.X ± .1 SURFACES = 125
CHECKED: DUERFELDT	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
USED ON MODEL AW139	